

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2005/000247

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7): A61K 38/08, A61K 38/06, A61K 38/07, A61K 47/42, A61K 51/08, A61K 35/12, C12Q 1/02, A61P 25/28, A61P 3/10

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(7): A61K 38/08, A61K 38/06, A61K 38/07, A61K 47/42, A61K 51/08, A61K 35/12, C12Q 1/02, A61P 25/28, A61P 3/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Canadian Patent Database, USPTO, Delphion, PUBMED, NCBI

key words: antifibrillogenic, islet amyloid polypeptide, peptidomimetic, Alzheimer's disease, small peptide bioavailability,

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 02/24727 A2 (FRASER, A.) March 28, 2002. see whole document	1 - 7, 32 - 45, 47 - 56 1 - 61
Y	US 6359112 B2 (KAPURNIOTU, A. et al.) March 19, 2002. see whole document	1 - 56
Y	SIGURDSSON, E. M. et al. In Vivo Reversal of Amyloid- $\beta$ Lesions in Rat Brain. J. Neuropath. Exp. Neurology. January, 2000, Vol. 59, No. 1, pages 11 - 17. see whole document.	57 - 61
A	EP 0289287 B1 (COOPER, G. J. S. et al.) January 28, 1998.	1 - 61
A	US 6562836 B1 (SZAREK, W. A. et al.) May 13, 2003.	1 - 61
A	KELLY, J. W. The Environmental Dependency of Protein Folding Best Explains Prion and Amyloid Diseases. Proc Natl. Acad. Sci. USA. February, 1998, Vol. 95, pages 930 - 932.	1 - 61 1 - 61
A	US 6610824 B2 (GAETA, L. et al.) August 26, 2003.	1 - 61
A	US 5686411 (GAETA, L. et al.) November 11, 1997.	1 - 61

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

21 June 2005 (21-06-2005)

Date of mailing of the international search report

22 June 2005 (22-06-2005)

Name and mailing address of the ISA/CA  
Canadian Intellectual Property Office  
Place du Portage I, C114 - 1st Floor, Box PCT  
50 Victoria Street  
Gatineau, Quebec K1A 0C9  
Facsimile No.: 001(819)953-2476

Authorized officer

Steven Kolodziejczyk (819) 997-3239

# INTERNATIONAL SEARCH REPORT

International application No.  
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## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☒ Claim Nos. : 32 - 39 and 47 - 56

because they relate to subject matter not required to be searched by this Authority, namely :

The aforementioned claims are considered to be directed to methods of medical treatment, which the International Search Authority is not required to search under PCT Article 17(2)(a)(I) and PCT Rule 39.1(iv).

2. ☐ Claim Nos. :

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :

3. ☐ Claim Nos. :

because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. :

**Remark on Protest** ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GHANTA, J. et al. A Strategy for Designing Inhibitors of $\beta$ -Amyloid Toxicity. J. Biol. Chem. November 22, 1996, Vol. 271, No. 47, pages 29525 - 29528.	1 - 61
A	AITKEN, J. et al. Suppression by Polycyclic Compounds of the Conversion of Human Amylin into Insoluble Amyloid. Biochem. J. June 18, 2003, Vol. 374, pages 779 - 784.	1 - 61

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information on patent family members

International application No.  
PCT/CA2005/000247

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
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 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
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 Facsimile No.: 001(819)953-2476

Authorized officer

Steven Kolodziejczyk (819) 997-3239



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PCT/CA2005/000247

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
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		ES2106721T T3	16-11-1997
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		GB8709871D D0	03-06-1987
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		JP2003500350T T	07-01-2003
		JP2003517458T T	27-05-2003
		MXPA01010835 A	14-07-2003
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		JP2003238594 A	27-08-2003

**PCT****NOTIFICATION CONCERNING  
TRANSMITTAL OF COPY OF INTERNATIONAL  
APPLICATION AS PUBLISHED OR REPUBLISHED**

To:

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Suite 4700  
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Toronto, Ontario M5K 1E6  
CANADA**ENTD FOR**

Date of mailing ( <i>day/month/year</i> ) 01 September 2005 (01.09.2005)		
Applicant's or agent's file reference 090931358988		
<b>IMPORTANT NOTICE</b>		
International application No. PCT/CA2005/000247	International filing date ( <i>day/month/year</i> ) 22 February 2005 (22.02.2005)	Priority date ( <i>day/month/year</i> ) 23 February 2004 (23.02.2004)
Applicant FRASER, Paul		

The International Bureau transmits herewith the following documents:

- ☒ copy of the international application as published by the International Bureau on 01 September 2005 (01.09.2005) under No. WO 2005/079830
- ☐ copy of international application as republished by the International Bureau on under No. WO
- For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (*as the case may be*) on the front page of the attached document.

The International Bureau of WIPO  
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1211 Geneva 20, Switzerland

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Athina Nickitas-Etienne